

ABSTRACT OF THE DISCLOSURE

An amorphous semiconductor film is etched so that a width of a narrowest portion thereof is 100  $\mu\text{m}$  or less, thereby forming island semiconductor regions. By irradiating an intense light such as a laser into the island semiconductor regions, photo-annealing is performed to crystallize it. Then, of end portions (peripheral portions) of the island semiconductor regions, at least a portion used to form a channel of a thin film transistor (TFT), or a portion that a gate electrode crosses is etched, so that a region that the distortion is accumulated is removed. By using such semiconductor regions, a TFT is produced.

FOUO 23 SEP 1990